

A black and white photograph of firefighters at a scene. One firefighter in the foreground is holding a hose that extends across the frame. Other firefighters are visible in the background, some wearing helmets with the number 12. The scene is dimly lit, with a bright light source creating a strong beam of light from the left.

City of Springfield

2009 ISO Evaluation Summary

Background

- ISO is an independent company that provides insurance companies and others with information about risk
- ISO collects and evaluates communities on their structural fire protection capabilities
- Statistical relationship between excellent fire protection and low fire losses
- The community's investment in fire mitigation is a proven and reliable predictor of future fire losses

ISO evaluates three components:

10% Fire alarm and communications

- Telephone service (2)
- Number of needed operators (3)
- Dispatch circuits (5)

40% Water supply system

- Credit for supply system (35)
- Hydrant size, type & installation (2)
- Inspection/condition of hydrants (3)

50% Fire department

- Engine companies (10)
- Reserve pumpers (1)
- Pumper capacity (5)
- Ladder/Service Companies (5)
- Reserve ladder/service trucks (1)
- Distribution of companies (4)
- Company personnel (15)
- Training (9)

<u>Classification</u>	<u>Points</u>
1	90.00 or more
2	80.00 – 89.99
3	70.00 – 79.99
4	60.00 – 69.99
5	50.00 – 59.99
6	40.00 – 49.99
7	30.00 – 39.99
8	20.00 – 29.99
9	10.00 – 19.99
10	00.00 – 09.99

*Less Points for Divergence

Overall Evaluation

Category	1997	2009	Full	
Receiving and Handling				
Fire Alarms	10.00	10.00	10.00	(100%)
Water Supply	38.00	37.87	40.00	(96%)
Fire Department	36.81	35.06	50.00	(70%)
Less Divergence	-4.28	-4.91		
Total Credit	80.53	78.02	100.00	
ISO Class Rating	2	3		

Does the FD have enough Fire Engines with the equipment and capacity to extinguish fires?

16 Needed

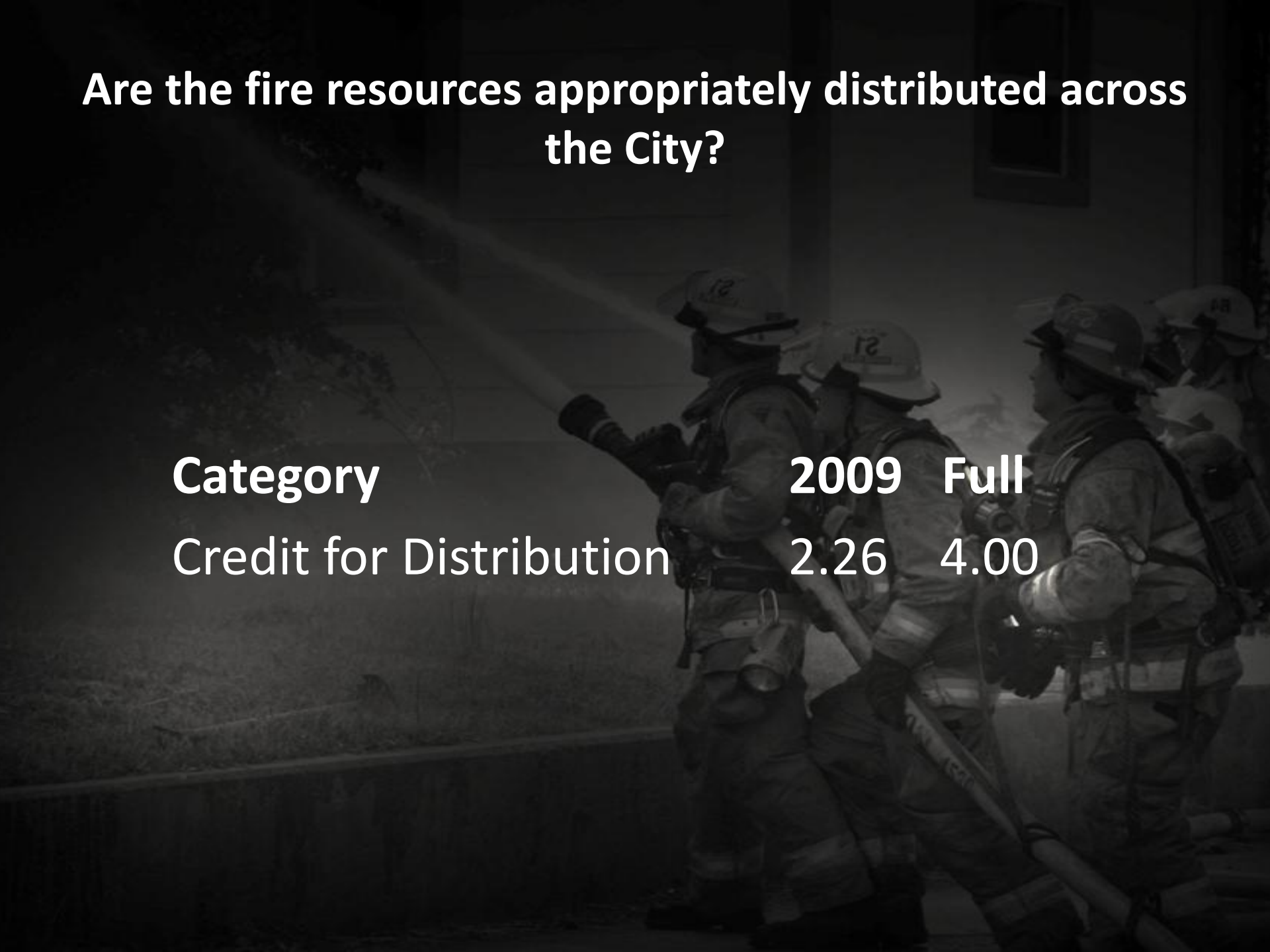
11 Actual

6.87/10.00 points for engine companies
0.69/1.00 points for reserve engines
5.00/5.00 points for pumper capacity

Does the FD have enough Ladder Companies with the equipment to protect property?



4.17/5.00 point for Ladder Service
0.69/1.00 point for Reserve Ladder

A dark, grainy photograph of firefighters in full gear. One firefighter in the foreground is holding a hose, spraying water towards the left. Other firefighters are visible behind him, also in gear. The scene appears to be at night or in low light conditions.

Are the fire resources appropriately distributed across the City?

Category

2009 Full

Credit for Distribution

2.26 4.00

Springfield Fire Department

ISO Recommended Stations



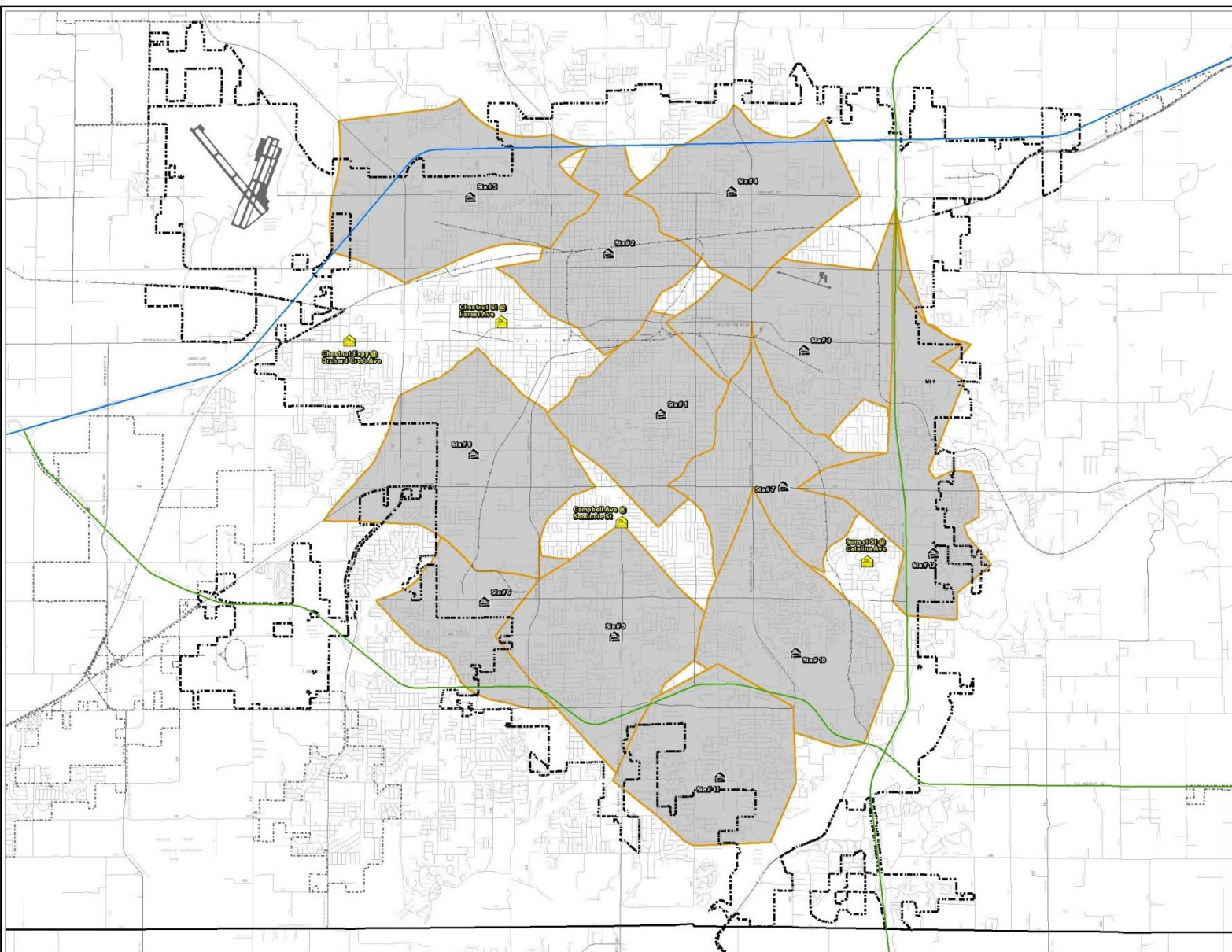
- ISO Recommended Stations
- Existing Fire Stations
- 5 Min Response Area
- Springfield City Limits
- Other Municipal Boundaries
- County Boundary
- Interstate
- Freeway
- Local Streets
- Railroad



0 1,500 3,000 6,000 9,000 12,000 Feet

DISCLAIMER: All information included on this map is derived from the best available data and is provided "as is" for general information purposes only. The City of Springfield, and all other contributing data suppliers, make no warranty, expressed or implied, concerning the accuracy, completeness, reliability, or availability of the data for any particular use. Furthermore, the City of Springfield, and all other contributing data suppliers, assume no liability whatsoever for any errors or omissions in the data.

11/28/09
C:\Users\GIS\Desktop\GIS\MapDocs\ISO_Station.mxd



Does the FD have sufficient personnel to fight the fires?

Category

2009

Full

Credit for Personnel

8.42

15.00

100 on-duty for full credit

53.91 actual on-duty average



*NFPA 1710 would recommend at least 84 on-duty firefighters

Does the FD adequately train their personnel?

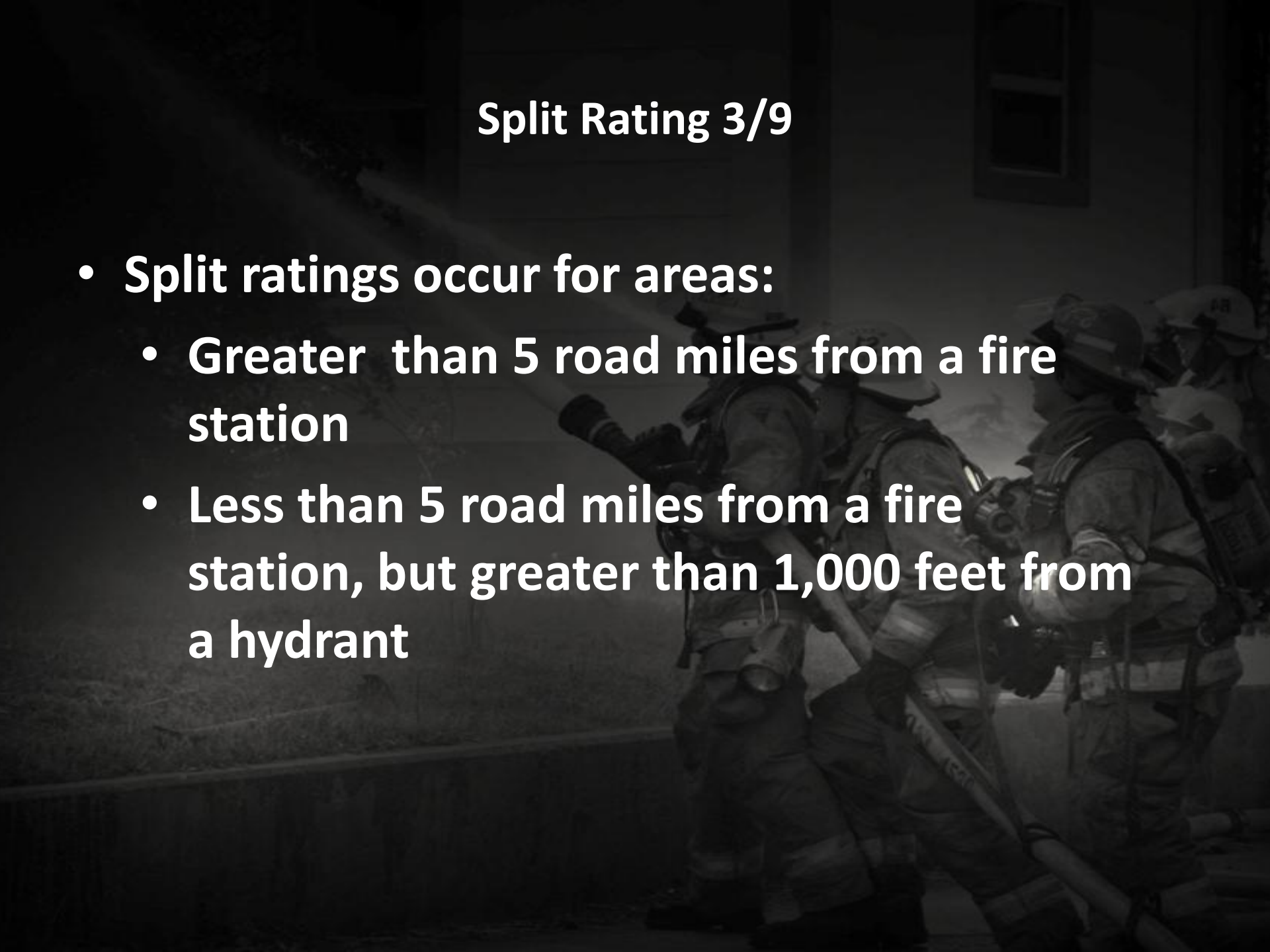
Category	2009	Full
Credit for Training	6.84	9.00

Facilities and Aids
Use of facilities and aids
Company training
Officer training
Driver/Operator training
New driver/operator training
Haz mat training
Recruit training
Pre-planning inspections



Split Rating 3/9

- **Split ratings occur for areas:**
 - **Greater than 5 road miles from a fire station**
 - **Less than 5 road miles from a fire station, but greater than 1,000 feet from a hydrant**



Springfield Fire Department

ISO Class 2 / 9 Split



- Fire hydrant Buffer (1000 ft.)
- Springfield City Limits
- Other Municipal Boundaries
- County Boundary
- Interstate
- Freeway
- Local Streets
- Railroad



0 1,500 3,000 6,000 9,000 12,000 Feet

DISCLAIMER: All information included on this map or digital file is provided "as is" for general information purposes only. The City of Springfield, and all other contributing data suppliers, make no warranty, expressed or implied, concerning the accuracy, completeness, reliability or suitability of the data for any particular use. Furthermore, the City of Springfield, and all other contributing data suppliers, assume no liability whatsoever associated with the use or misuse of the data.

11/15/2019
R:\GIS\SPRINGFIELD\FIRE\ISO\ISO_Class2_9_Split.mxd

Proposed Action Plan

Action item	Completion Date
• Automatic aid	Completed
• Purchase equipment to maximize credit	February 2010
• Operational changes	April 2010
• Burn building	April 2010
• Full staffing	November 2010
— Recruit class (8-10) July	
— Recruit class (8-10) September	

A black and white photograph of firefighters at night. One firefighter is holding a hose that extends across the frame, with a bright light source at the end. Other firefighters are visible in the background, wearing helmets and gear. The scene is dark, with the light from the hose illuminating the area.

QUESTIONS?